

OLEC oversight meeting presentation to Board of Selectmen - 10 September 2007

Subject of OLEC Presentation

- Discuss streetlight conversion
- Strategy for placement of test lights for public comment.

Current Town Streetlights

- Mostly old, refractor lens, with mercury vapor lamps.

OLEC Proposes

- Conversion to fully-shielded fixtures with modern high efficiency lamp types.
- Low glare, better night vision/safety
- Significant reduction in light trespass/ pollution onto resident properties
- Much more efficient lamps mean less electricity use/cost for same light output

Test Fixture Strategy

- Placements of individual fully-shielded fixtures in neighborhoods for comment
 - Two types of high efficiency lamps would be used
- Cost: \$5000 (20 fixtures, 10 neighborhoods)
- Proposed start date: Fall 2007.
- Two-month period for public comment.
- OLEC will publicize event and collect responses for Town

NSTAR Rebate Opportunity

- NSTAR currently offering energy-use-reduction rebates for streetlight projects
 - Note: Streetlight energy rebates will end in about a year**
- OLEC will assist Municipal Properties Department in preparing application
- OLEC recommends article for streetlight replacement for 2008 Town Meeting

Streetlight Conversion

- To convert all 800 streetlights - \$178K
- Current electricity cost/year - \$90K/year
- Electricity cost savings for reasonable replacement plan - \$30K/year
 - Payback period - six years
- Any NSTAR rebate would improve conversion cost/ payback period

John Murray

From: Lauren Rosenzweig
Sent: Wednesday, June 06, 2007 6:16 PM
To: Manager Department
Cc: Dore' Hunter
Subject: OLEC

Don and John,

I spoke with Bernie Kosicki the chair of OLEC and told him that a high level of interest in the lighting study was expressed at our last meeting by the Board of Selectmen. However, with closer examination of logistics, proposals, etc. it did not appear that this is an item that can be funded within this year's budget cycle. I suggested that in any meetings they have over the summer they should prepare a more detailed presentation of what the study would entail, what the savings might be, where we could observe the different options, etc. I informed him that the committee should be ready if possible, to give a presentation to the Board in September. He said he thought they would be happy to do so.

In addition, they have resolved some membership issues. They have a full member, Steven Feinstein, who would like to step down to associate, and an interested person who has been attending that would like to be a full member. There is another new person who would like to be appointed an associate. They are currently slated to have 5 full members. I suggested he write a memo to the Board asking for 2 associate positions to be added to their charter/charge? and to indicate who the candidates were for each position. I also told him it would be helpful to attach resumes of the newer people, and to copy the VCC so they were aware that the Board might be making these appointments without the usual interview process. Just wanted to give both of you a heads up on this so you would know what was coming. I think this is in line with the Chairman's new policy for appointing volunteers, but if you think they need a separate interview let me know. The OLEC chair said they have been enthusiastic contributors.

Please contact me if you have any questions or recommendations.

Sincerely,

Lauren

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6/8/2007

Roland Bartl

From: Bernie Kosicki
Sent: Wednesday, September 05, 2007 2:07 PM
To: Roland Bartl
Cc: Bernie Kosicki; jmg@ttwriter.com; Hart Millett (office); Hart Millett (home); Gary Green; Steven Feinstein (home); fatcat28@verizon.net; tom_mcdonagh@yahoo.com
Subject: RE: OLEC - Selectmen Oversight Meeting

Roland,

Please include the attached one page of material from OLEC in the Board of Selectmen package for our Monday Sept 10 oversight meeting with them.

Please let us know if you learn of any different time slot than the 7:20 one you mentioned earlier.
Thanks, hope to see you then,

Regards,

Bernie Kosicki, OLEC

At 09:30 AM 8/30/2007, you wrote:

Bernie:

Whatever you can pull together by the 5th would be greatly appreciated. Thank you

And of course, the Selectmen's meeting is on September 10th. I must have been tired.

*Roland Bartl, AICP
Planning Director, Town of Acton
472 Main Street
Acton, MA 01720
978-264-9636*

9/5/2007

4/9/07
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BOARD OF SELECTMEN AND SEWER COMMISSIONERS' MEETING

November 27, 2006

**Acton Memorial Library
7:00 P.M.**

Present: Chairman Foster, Andrew Magee, Lauren Rosenzweig and Dore' Hunter. The Town Manager and Assistant Town Manager were present. The meeting was televised.

CITIZENS' CONCERNS

None

PUBLIC HEARINGS & APPOINTMENTS

In an attempt to speed the meetings along, Walter discussed his revision to the meeting operation. Walter noted that he would be trying to keep to the timed appointments on the schedule. To that end, he asked all presenters to keep to the allotted time, and that the Board not repeat items that have already been mentioned by another Board member.

OPERATIONAL MINUTE – Don reported on the brown water issues. There was a break in the Hosmer Street area and they sent out a CTY message. This is a Water District issue and he urged that residents call the Water District. Don updated the Board on the condition of the ceiling in the Faulkner Room; it appears the ceiling is sound at this time.

OUTDOOR LIGHTING EDUCATION COMMITTEE – OVERSIGHT MEETING

Committee members Bernie Kosicki, Martin Gratz and Mr. Green were present. Bernie said that he would report on three issues. Education, Street Lights and review of 2004 Outdoor Lighting Bylaw. Bernie outlined the activities of the committee to educate the public. They have been reviewing the replacement of street lights. The new lamps are more efficient than the old ones, and this will save money lighting them. They would like to have sample street lights installed. OLEC will review sample lights and to pursue with Nstar some abatement possibilities. Bernie updated the Board on the need to review the Bylaw and to see how well the bylaw is working.

Dore' felt the inventory list was very detailed and provided a very valuable document that would have cost a significant amount of money if it had not been done by the Committee.

Andy said he would support the \$5,000 in the Municipal Properties budget for the study.

Lauren thanked the Committee; she is the liaison and has attended several star parties. She feels this is a very positive change. Lauren noted that compliance has cost the developers more money.

Walter thanked them for their work and wanted to hold on the study and felt that NStar should be funding this study. Walter said the Board will be speaking to Nstar about this at a Board meeting with them in the future.

Roland Bartl

From: Dean Charter
Sent: Wednesday, September 05, 2007 1:17 PM
To: Roland Bartl
Cc: Manager Department
Subject: BOS packet....OLEC meeting

Attached please find a copy of the Capital Sheet I have submitted for my FY 2009 budget regarding streetlight conversion. The figures have been compiled after consultation with LELD, NSTAR, and OLEC. I expect that the Chairman of OLEC will have additional information

9/5/2007

Capital Improvement Program Proposal – Detail

Department Name	Municipal Properties	Project	Street light conversion			
		Fiscal Year	2009			
Department Head	Dean Charter	Cost	\$180,000			
		Priority	12	of	14	

1. Description

Convert existing system of 800+ streetlights from a mixture of Mercury Vapor, High Pressure Sodium, and Metal Halide lights, which vary in energy consumption and configuration to a coherent, energy efficient system

2. Useful Life 20 years

3. Purpose (Please 'X' one of the Boxes and Describe, if Applicable)

Schedule Replacement

Increase Personnel Efficiency

New or Expanded Service

**# Replace Obsolete or Unsafe Equipment
(Explain Disposal of Old Equipment)**

Other (Please Explain)

New fixtures will be more energy efficient, saving money, and will be full cut off fixtures, eliminating light spill upward and onto private property.

4. Justification

Converting the system could result in the same lumen level on the street, and cut energy bills for this service by 30% to 50%, depending upon the option chosen (30K to 50K savings per year)

5. How Was this Project's Priority Determined?

Cost savings

6. Estimated Cost \$180,000 estimate from LELD

Less Trade-In (If Applicable)

Net Cost

7. Are Non-Town Revenues Available to Reduce Cost?

Possible rebate from NSTAR Electric which could reimburse the town by a considerable amount, based on how much energy is saved with the chosen fixtures

8. If this Project is Delayed, What will be the Effect on your Department?

Continued high energy costs

9. Please Describe the Effect of this Project on your Operating Budget.

Personnel Budget

Expense Budget

Increase

Increase

Decrease

Decrease considerable

10. Attachments, if Applicable.